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(71) Applicant (for all designated States except US): **FLUOR CORPORATION** [US/US]; One Enterprise Drive, Aliso Viejo, CA 92656 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **REDDY, Satish** [US/US]; Fluor Corporation, One Enterprise Drive, Aliso Viejo, CA 92656 (US). **SCHERFFIUS, Jeff** [US/US];

Fluor Corporation, One Enterprise Drive, Aliso Viejo, CA 92656 (US). **GILMARTIN, John** [US/US]; Fluor Corporation, One Enterprise Drive, Aliso Viejo, CA 92656 (US). **FREGUIA, Stefano** [US/US]; Fluor Corporation, One Enterprise Drive, Aliso Viejo, CA 92656 (US).

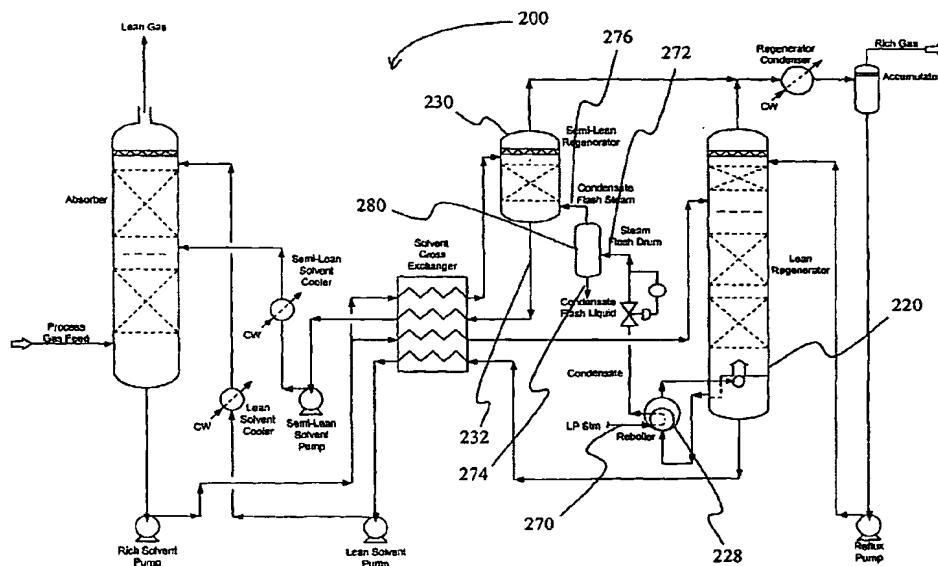
(74) Agent: **FESSENMAIER, Martin**; Rutan & Tucker, I.J.P., 611 Anton Blvd., Suite 1400, Costa Mesa, CA 92626 (US).

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(54) Title: **IMPROVED SPLIT FLOW PROCESS AND APPARATUS**



(57) Abstract: An acid gas removal plant includes an absorber that provides a rich solvent to two regenerators that independently generate a lean and a semi-lean solvent, wherein the semi-lean solvent is produced in one of the regenerators using heat and/or steam derived from the other regenerator. Further heat integration is particularly contemplated with power plants in which the power plant provides high-level heat to the acid gas removal plant and wherein the power plant receives low-level heat from the acid gas removal plant.

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